|          | Index of Claims  |           |                         |          |           |              |    |           |         |            |  |                              |                    | Application/Control No. |            |               |             |          |             |          |           |     |          | Applicant(s)/Patent under Reexamination |          |               |             |             |              |           |             |         |          |  |   |   |
|----------|------------------|-----------|-------------------------|----------|-----------|--------------|----|-----------|---------|------------|--|------------------------------|--------------------|-------------------------|------------|---------------|-------------|----------|-------------|----------|-----------|-----|----------|---|----------|---------------|-------------|-------------|--------------|-----------|-------------|---------|----------|--|---|---|
|          |                  |           |                         |          |           |              |    |           |         |            |  |                              |                    | ١,                      | 10/505,389 |               |             |          |             |          |           |     |          |   |          |               |             |             |              |           |             |         |          |  |   |   |
|          |                  |           |                         |          |           |              |    |           |         |            |  |                              |                    |                         |            | Examiner      |             |          |             |          |           |     |          |   |          | WALTER ET AL. |             |             |              |           |             |         |          |  | _ |   |
|          |                  |           |                         |          |           |              |    |           |         |            |  |                              |                    |                         | l          | Jinhee J. Lee |             |          |             |          |           |     |          |   |          | 2831          |             |             |              |           |             |         |          |  |   |   |
|          |                  |           |                         |          |           |              |    |           |         |            |  |                              |                    |                         | 12         |               |             |          |             |          |           |     |          | _                                       | _        | 2031          |             |             |              |           |             |         |          |  |   | - |
|          | √ Rejected _ (Th |           |                         |          |           |              |    |           |         |            |  | hrough numeral)<br>Cancelled |                    |                         |            |               |             | N        | Non-Elected |          |           |     | led      |   | A        | Appeal        |             |             |              |           |             |         |          |  |   |   |
|          | = Allowed        |           |                         |          |           |              |    | ŀ         | *       | Restricted |  |                              |                    |                         |            |               | I Interfere |          |             | en       | ce        |     | 0        | Objected                                |          |               |             |             |              |           |             |         |          |  |   |   |
|          | Claim Date       |           |                         |          |           |              |    |           |         | Claim      |  |                              |                    | _                       | Date       | ate           |             |          |             |          |           | aim | Г        | Date                                    |          |               |             |             |              |           | ٦           |         |          |  |   |   |
|          | 20               | S         | છુ                      |          |           | T            | T  | T         |         | 7          |  | ıaı                          |                    | Γ                       |            | Γ             |             | П        |             |          | П         |     |          |   |          | П             |             |             |              |           |             | Т       | 7        |  |   |   |
| Final    | Original         | 318/      | 11/13/05                |          |           |              |    |           |         |            | Final  | Original                     |                    |                         |            |               |             |          |             |          |           |     | Final    | Original                                |          |               |             |             |              |           |             |         |          |  |   |   |
|          | 1                | Ÿ         | Н                       | 4        | 4         | $\dashv$     | 7  | Ŧ         | Ŧ       | 7          |  | 51<br>52                     | L                  | F                       | F          | Е             |             |          |             | _        | П         |     |          | 101                                     | П        | $\Box$        | $\Box$      | $\dashv$    | $\exists$    |           | $\exists$   | 丰       |          |  |   |   |
|          | 15               | V         | H                       | $\dashv$ | ┪         | +            | +  | 十         | +       | 1          | -  | 53                           | ╁                  | H                       | -          | -             | $\vdash$    | Н        | $\vdash$    | _        | Н         |     |          | 102                                     | Н        | ┪             | $\dashv$    | $\dashv$    | ┥            | -         | $\dashv$    | 十       | $\dashv$ |  |   |   |
|          |                  | v         |                         | $\dashv$ | $\exists$ | 7            | Ţ  | 1         | T       | ]          |  | 54                           | L                  |                         |            |               |             |          |             | _        | 口         | Ì   |          | 104                                     |          |               | $\sqsupset$ | $\sqsupset$ | $\exists$    | コ         | コ           | 士       | ]        |  |   |   |
| -        | 18               | 0         | Н                       | -+       | +         | +            | +  | +         | ┿       | -          |  | 55<br>56                     | ╀                  | ├                       | H          | H             | Н           | Н        | $\dashv$    |          | Н         |     |          | 105<br>106                              | $\vdash$ | $\dashv$      | 4           | $\dashv$    | -            | ᅱ         | $\dashv$    | +       | 4        |  |   |   |
|          |                  | 0         |                         |          | 1         | 士            | †  | †         |         |            |  | 57                           | t                  |                         |            |               |             | $\vdash$ | $\exists$   |          | Н         | 1   |          | 107                                     | Н        | $\dashv$      | ┪           | ┪           | ┪            | ᅦ         | $\dashv$    | +       | ┨        |  |   |   |
|          | 11               | 0         |                         | _        | 4         | 4            | 1  | ļ         | $\perp$ | 7          |  | 58                           | F                  | П                       | П          |               | П           |          | $\Box$      |          |           |     |          | 108                                     | П        | $\Box$        | 1           | 1           | 4            | $\Box$    | $\sqsupset$ | #       |          |  |   |   |
| -        | 16               | 0         | $\dashv$                | ╅        | +         | ┰            | +  | +         | +       | -          | -  | 59<br>60                     | ╀                  | Н                       | Н          | $\vdash$      | Н           | Н        | $\dashv$    | _        | Н         | -   |          | 109                                     | Н        | +             | +           | +           | $\dashv$     | $\dashv$  | -           | +       | 4        |  |   |   |
|          | 1                | ٥         |                         | 士        | 1         | 士            | İ  | 1         | I       | ]          |  | 61                           | 上                  |                         |            |               |             |          |             |          | П         | l   |          | 111                                     |          | $\exists$     | 7           | 1           |              | ┪         | 十           | 十       | ┪        |  |   |   |
| -        | 12               | 0         | 4                       | -        | 4         | 4            | +  | 4         | $\bot$  | 4          | L-   | 62<br>63                     | -                  | Н                       | Ш          | Щ             | Ц           | Ц        | $\dashv$    | _        | П         | -   |          | 112                                     |          | 7             | $\Box$      | 7           | $\Box$       | $\Box$    | $\dashv$    | $\perp$ | ]        |  |   |   |
| -        | 13               | 0         | $\dashv$                | +        | +         | +            | ╁  | +         | ╫       | 1          | <u> </u>   | 64                           | ╁╌                 | Н                       | Н          | Н             | Н           | Н        | $\dashv$    | _        | Н         | 1   |          | 113<br>114                              |          | $\dashv$      | ┥           | +           | $\dashv$     | ┥         | +           | +       | $\dashv$ |  |   |   |
|          | 15               | Ĺ         | v                       | 土        | 士         | 土            |    | İ         | 土       | 1          |  | 65                           |                    |                         |            |               |             |          |             |          |           | t   |          | 115                                     |          |               | 1           | 1           | 7            | 7         | _ †         | +       | 1        |  |   |   |
| <u> </u> | 15               | Ц         | $\downarrow \downarrow$ |          | 4         | 1            | Ţ  | 1         | 1       | 4          | $\Box$   | 66                           | L                  |                         |            |               |             |          | $\Box$      |          | $\Box$    | [   |          | 116                                     |          | $\Box$        | I           | Į           | $\Box$       | $\exists$ | $\Box$      |         |          |  |   |   |
| -        | 1                | Н         | ╢                       | +        | +         | +            | ╫  | ┿         | ╁       | -          | $\vdash$   | 67<br>68                     | ╁                  | Н                       |            | Н             |             | $\dashv$ | $\dashv$    | -        | Н         | ŀ   |          | 117<br>118                              | $\vdash$ | +             | +           | +           | $\dashv$     | 4         | +           | - -     | -        |  |   |   |
|          | 1                |           | V                       |          | $\pm$     | 士            | 士  | Ť         | 士       | 1          |  | 69                           | $oxed{\Box}$       |                         |            |               |             |          | $\exists$   |          | Н         | ŀ   | _        | 119                                     |          | ┪             | ┪           | 1           | $\dashv$     | 7         | +           | ╅       | ┪.       |  |   |   |
|          | (20)             |           | 의                       | 1        | 7         | ightharpoons | Ţ  | Ţ         | 1       | ]          |  | 70                           | $\Box$             |                         |            |               |             | $\Box$   | $\exists$   |          |           | Į   |          | 120                                     | $\Box$   | _             | 1           | 1           | $\downarrow$ | 1         | $\Box$      |         | ]        |  |   |   |
| -        | 21               | Н         | Ÿ                       | ┿        | ╫         | +            | ┿  | ╀         | ┿       | ┨          | -  | 71<br>72                     | ⊢                  | Н                       | $\dashv$   | Н             | -           | $\dashv$ | -           | -        | Н         | ŀ   |          | 121<br>122                              | $\dashv$ | -             | 4           | +           | +            |           | +           | +       | ┨        |  |   |   |
|          | (23)             |           | न                       | 士        | 1         | $\pm$        | 土  | $\perp$   | T       | 1          |  | 73                           |                    |                         | Н          | Н             | Н           | $\dashv$ | +           | -        | Н         | ŀ   |          | 123                                     | $\dashv$ | +             | $\dashv$    | +           | +            | ┪         | $\dashv$    | +       | ┨        |  |   |   |
|          | 7                |           | v                       | $\Box$   | Ţ         | $\bot$       | Ţ  | I         | 工       | 1          |  | 74                           |                    |                         |            |               |             |          | $\Box$      |          |           |     |          | 124                                     | $\Box$   | ユ             |             | I           | I            | コ         | 士           | 工       | 1        |  |   |   |
| $\vdash$ | <b>26</b> )      | -         | <u>v</u>                | +        | +         | ╬            | +  | ╀         | +-      | -          | <u> </u>   | 75<br>76                     | $\vdash$           | $\vdash$                | $\dashv$   | $\dashv$      | $\dashv$    | $\dashv$ | +           | _        | Н         | ŀ   |          | 125<br>126                              | -        | 4             | 4           | +           | 4            | 4         | 4           | +       | 4        |  |   |   |
| -        | 27               | H         | v                       | +        | +         | ╅            | 十  | $\dagger$ | ╁       | 1          | <del>                                     </del> | 77                           | H                  | H                       | $\dashv$   | Н             | -           | +        | $\dashv$    | $\dashv$ | Н         | ł   | $\neg$   | 127                                     | +        | $\dashv$      | ╅           | +           | +            | $\dashv$  | $\dashv$    | ╅       | $\dashv$ |  |   |   |
|          | 28               |           | J                       | $\bot$   | 1         | 丁            | T  | I         | 1       | 1          |  | 78                           |                    |                         |            |               |             |          | 士           | ╛        |           | t   |          | 128                                     |          |               | 1           | 士           |              | 士         | $\perp$     | 士       |          |  | • |   |
| $\vdash$ | 30               |           | 쉬                       | +        | +         | +            | ╀  | ╀         | ╀       | -          | <u> </u>   | 79<br>80                     | Н                  | $\sqcup$                | _          | _             | 4           | 4        | 4           | _        | Ц         | ŀ   | _        | 129                                     | _        | 1             | $\perp$     | $\perp$     | 4            | $\bot$    | $\perp$     | $\bot$  | 7        |  |   |   |
| 1        | 31               | -         | +                       | +        | +         | ╅            | ╁  | ╁         | ╁       | 1          | <u> </u>   | 81                           | Н                  | $\vdash$                | $\dashv$   | $\dashv$      | ᅱ           | +        | $\dashv$    | ┪        | $\dashv$  | ł   | $\neg$   | 130<br>131                              | +        | $\dashv$      | +           | ╬           | +            | +         | +           | +       | 4        |  |   |   |
|          | 32               |           | コ                       |          | 1         |              | İ  | İ         | 上       | 1          |  | 82                           |                    |                         |            | $\Box$        | ⇉           |          | ゴ           |          | ╛         | t   |          | 132                                     |          | 1             | 1           |             |              | 1         | 士           | +       | 1        |  |   |   |
| -        | 33<br>34         | $\dashv$  | 4                       | 4        | 4         | 4            | +- | ╀         | ╀       | 4          |  | 83                           | Ш                  | _                       | 4          | _             | _           | $\dashv$ | $\dashv$    | _        | $\Box$    | Ĺ   | _        | 133                                     |          | $\Box$        | : [         | Ţ           | I            | $\Box$    | $\Box$      | I       | ]        |  |   |   |
| -        | 35               | ᅥ         | +                       | 十        | +         | ╁            | ╁  | 十         | ╆       | ┨          |  | 84<br>85                     | Н                  |                         | ┥          | ┥             | ┥           | $\dashv$ | ┰           | ┪        | $\dashv$  | ŀ   |          | 134<br>135                              | +        | +             | +           | ┿           | +            | +         | +           | +       | -        |  |   |   |
|          | 36               |           | 1                       |          | 1         | 士            | 土  | 上         | 土       | 1          |  | 86                           |                    |                         |            | ┪             | ╛           | 士        | $\pm$       |          |           | t   |          | 136                                     | 寸        | $\top$        | +           | $\dagger$   | +            | $\dagger$ | +           | +       | 1        |  |   |   |
| <u> </u> | 37               | 4         | 4                       |          | 4         | +            | ╀  | 1         | $\perp$ | ] .        |  | 87                           | Ш                  | $\neg$                  |            | $\Box$        | 4           | $\dashv$ | 1           | 4        |           | F   | $\Box$   | 137                                     | $\Box$   | ユ             | I           | Ţ           | $\Box$       | I         | $\Box$      | I       | ]        |  |   |   |
| -        | <b>38</b>        | -+        | +                       | +        | +         | ┿            | ┿  | ╁         | ╫       | 1          |  | 88<br>89                     | Н                  | -                       | $\dashv$   | ┪             | ┥           | +        | ╅           | ┥        | $\dashv$  | ╟   | $\dashv$ | 138<br>139                              | +        | ┽             | ╬           | +           | +            | +         | +           | +       | 4        |  |   |   |
|          | 40               |           |                         |          | 土         |              | İ  | İ         |         | 1 1        |  | 90                           | Н                  | ┪                       | _          | 7             | _           | 7        | 十           | 7        | $\exists$ | ŀ   | _        | 140                                     | 十        | +             | 十           | +           | +            | +         | 十           | ╫       | ┨        |  |   |   |
|          | 41               | 4         | 4                       | 4        | Ţ         | 7            | 1  | Ļ         | $\perp$ | ]          |  | 91                           |                    | $\Box$                  | $\Box$     | $\Box$        | $\Box$      | 4        | $\bot$      | $\Box$   |           | Ę   |          | 141                                     | $\Box$   | $\perp$       | 1           | I           | I            | 1         | T           |         | 1        |  |   |   |
| -        | 42               | $\dashv$  | +                       | +        | +-        | +            | +  | +         | ╁       | 1          | -  | 92<br>93                     | dash               | $\dashv$                | ┥          | +             | +           | +        | +           | 4        | -         | +   | $\dashv$ | 142                                     | +        | +             | +           | ╁           | +            | +         | +           | +       | -        |  |   |   |
|          | 44               | $\exists$ |                         | 士        | 士         | 士            | 1  |           | $\perp$ | 1          |  | 94                           | Ħ                  | _                       | 寸          | Ⅎ             | Ⅎ           | _        | _           | #        | _         | r   | $\neg$   | 144                                     | $\dashv$ | 十             | +           | +           | +            | +         | +           | +       | ┪        |  |   |   |
|          | 45               | $\dashv$  | 7                       | Ţ        | T         | T            | F  | Г         | F       |            |  | 95                           | П                  | $\Box$                  | I          | I             | コ           | 1        | T           | 7        | $\Box$    |     |          | 145                                     | ゴ        | 工             | I           | I           | 1            | I         | 丰           | $\top$  | ]        |  |   |   |
| -        | 46               | $\dashv$  | +                       | +        | +         | +            | +  | ╀         | ╁       |            |  | 96<br>97                     | ${oldsymbol{ert}}$ | +                       | +          | $\dashv$      | +           | +        | +           | 4        | $\dashv$  | -   |          | 146                                     | +        | +             | +           | +           | +            | +         | +           | +       | -        |  |   |   |
|          | 48               | ╛         | 士                       | 士        | 士         | 土            | 1  | T         |         | jĺ         |  | 98                           | H                  | _+                      | $\dashv$   | $\dashv$      | $\forall$   | $\dashv$ | 十           | +        | $\dashv$  | H   | $\dashv$ | 148                                     | +        | +             | +           | 十           | +            | +         | +           | +       | 1        |  |   |   |
|          | 49               | $\exists$ | Ţ                       | T        | T         | Ŧ            | F  | F         | F       | 1          |  | 99                           |                    |                         | $\Box$     | $\Box$        | $\Box$      | ユ        | 1           | I        |           |     |          | 149                                     | 工        | 1             | 1           | I           | 土            | 1         | 土           |         | 1        |  | • |   |

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